

COVER SHEET

RESPONSIBLE AGENCY: U. S. Department of Energy

ACTIVITY: Final Environmental Impact Statement, Alternative Cooling Water Systems at the Savannah River Plant, Aiken, South Carolina.

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ABSTRACT: The purpose of this Environmental Impact Statement (EIS) is to provide environmental input into the selection and implementation of cooling water systems for thermal discharges from the K- and C-Reactors and from a coal-fired powerhouse at the Savannah River Plant. The Savannah River Plant is a major U.S. Department of Energy (DOE) installation for the production of nuclear materials for national defense. This EIS addresses the potential environmental consequences of constructing and operating once-through and recirculating cooling towers for the K- and C-Reactors; increased pumping to a raw water basin and direct discharge to the Savannah River for a coal-fired powerhouse; and no action. The potential environmental consequences assessed include effects on air and water quality, ecological systems, archaeological resources, endangered species, and wetlands.